

Amendments to the Claims:

1. (Reiterated) A kit for determining whether a subject has, or is at risk of developing, colorectal cancer wherein said kit is used to amplify and/or determine the molecular structure of at least a portion of the MnSOD gene.
2. (Reiterated) The kit of claim 1 further comprising a first and second oligonucleotide specific for SEQ ID NO: 1.
3. (Reiterated) The kit of claim 1 wherein said first and second oligonucleotides can be used to produce a polynucleotide comprising a region of the MnSOD gene, said region including nucleotide residue 351 of SEQ ID NO:1.
4. (Reiterated) The kit of claim 1, wherein the oligonucleotides have a nucleotide sequence from about 15 to about 30 nucleotides.
5. (Reiterated) The kit of claim 1, wherein the first and second oligonucleotides are labeled.
6. (Reiterated) The kit of claim 1, wherein the first oligonucleotide is specific for the MnSOD Ala allele and the second oligonucleotide is specific for the MnSOD Val allele.
7. (Reiterated) The kit of claim 1 further comprising one or more oligonucleotide probes specific for the MnSOD Ala allele and the MnSOD Val allele.
8. (Reiterated) The kit of claim 7 wherein said probes are detectably labeled.
9. (Reiterated) The kit of claim 8 wherein said probes are fluorescently labeled.
10. (Reiterated) The kit of claim 9 wherein said probes are labeled with a quenching molecule.
11. (Reiterated) The kit of claim 7 wherein said probes are bound to a surface.
12. (Reiterated) The kit of claim 1 further comprising an allele specific endonuclease.
- 13-30. (Cancelled)